

J. R. HARBECK.

CAN TOP.

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960,637.

Patented June 7, 1910.

Fig. 3.

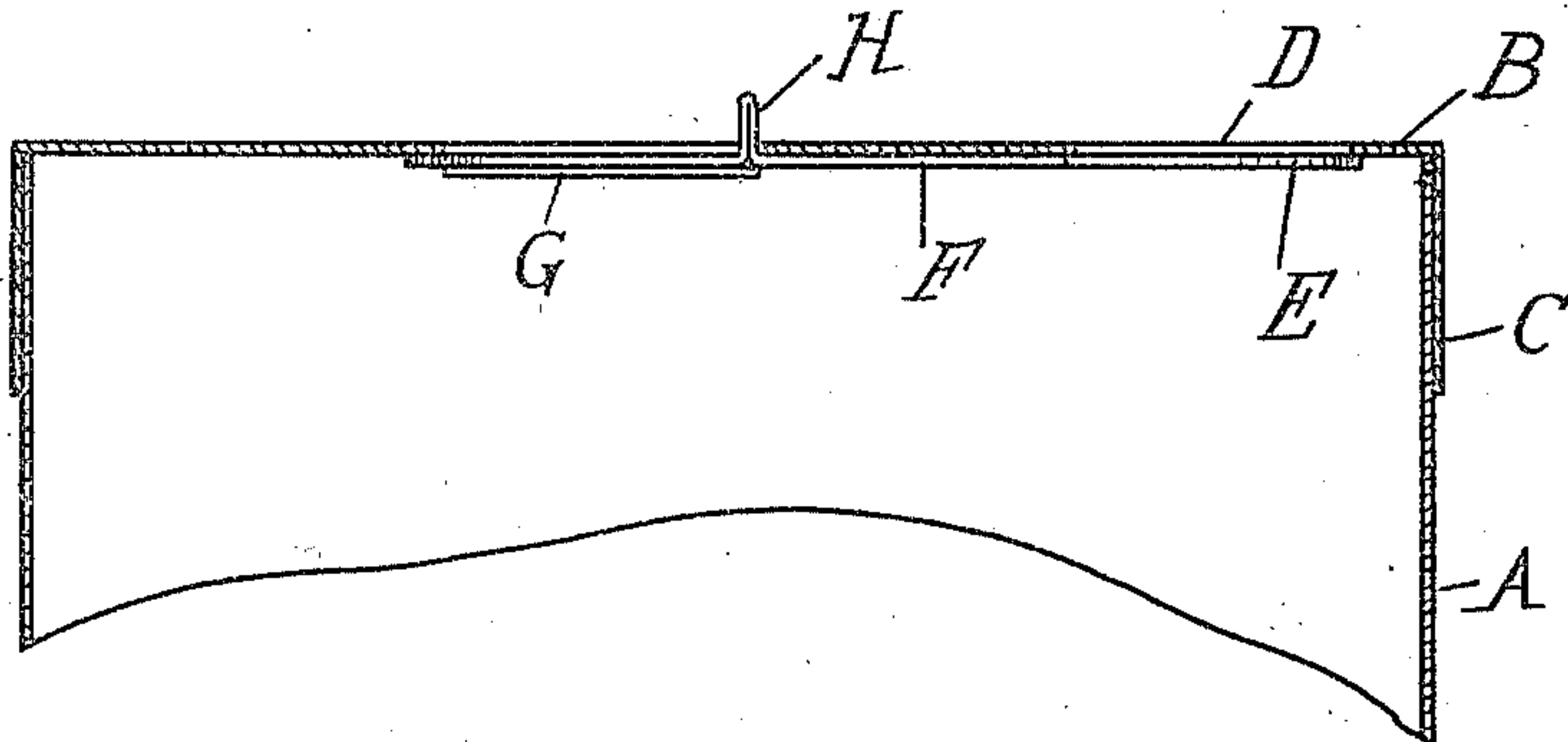


Fig. 2.

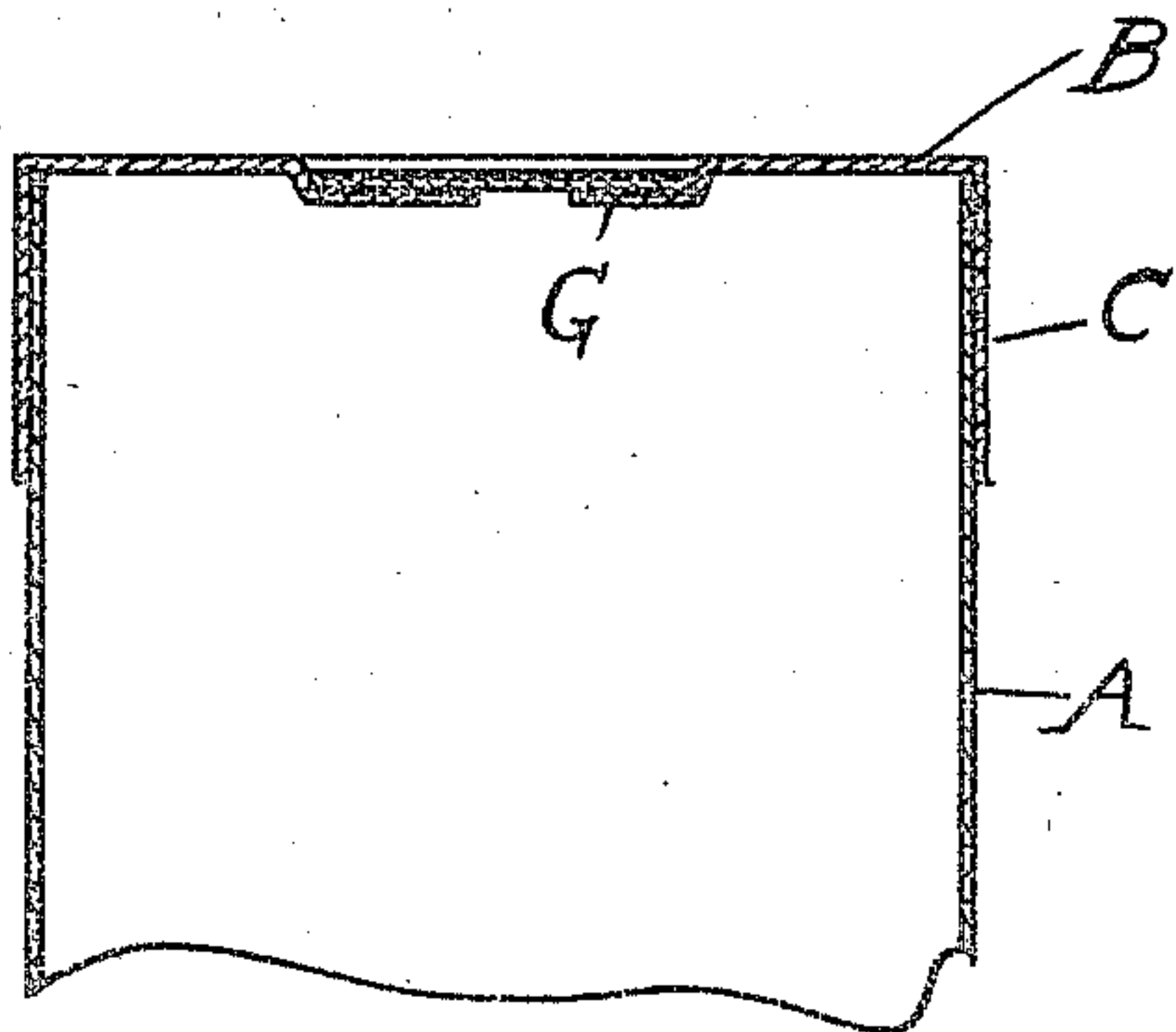


Fig. 4.

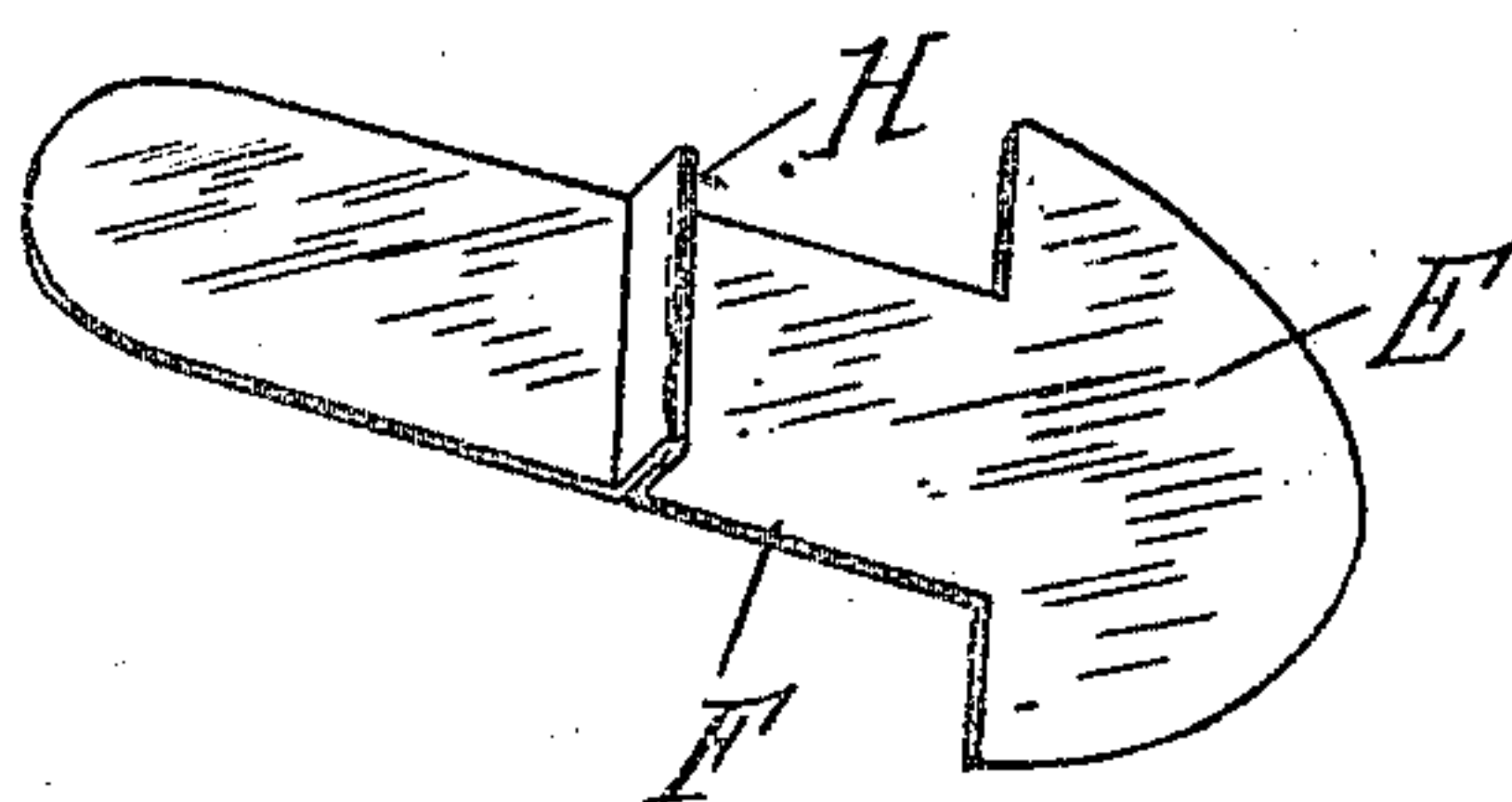
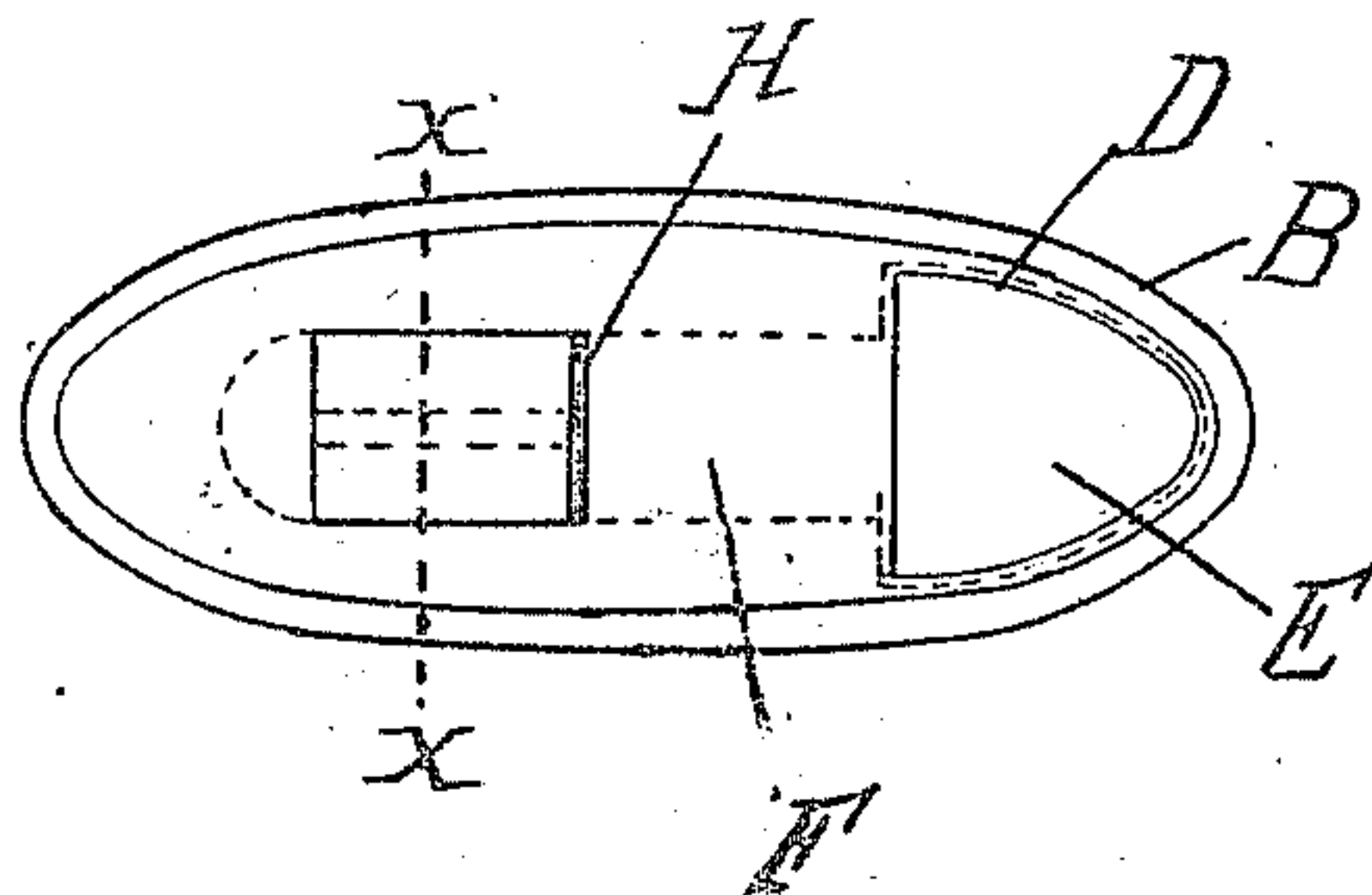


Fig. 1.



Witnesses

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By

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UNITED STATES PATENT OFFICE.

JERVIS R. HARBECK, OF DETROIT, MICHIGAN, ASSIGNOR, BY MESNE ASSIGNMENTS,
TO DETROIT CAN COMPANY, OF DETROIT, MICHIGAN, A CORPORATION OF NEW
JERSEY.

CAN-TOP.

960,637.

Specification of Letters Patent.

Patented June 7, 1910.

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To all whom it may concern:

Be it known that I, JERVIS R. HARBECK, a citizen of the United States of America, residing in the city of Detroit and county of Wayne, State of Michigan, have invented certain new and useful Improvements in Can-Tops, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention consists in the construction of a can top and the means for opening and closing a discharge opening therein, such means comprising a slide on the underside of the can top, having an integral projection extending above the top, and adapted to extend over or be withdrawn from the discharge-opening.

The invention further consists in the construction and arrangement in combination of the various parts, as more fully hereinafter described and particularly pointed out in the claim.

In the drawings: Figure 1 is a top plan view of a can top, embodying my invention; Fig. 2 is a section therethrough, taken on line $x-x$ of Fig. 1; Fig. 3 is a central longitudinal section therethrough; and Fig. 4 is a detached perspective view of the slide.

A represents a can body and B the top thereof which is shown as provided with a marginal flange C embracing the side of the body and secured thereto in any desired manner.

The can here shown is of oval shape, such as is employed, for instance, as a tobacco can.

In the top of the can I form a discharge opening D. I have shown this opening as being substantially semi-circular but it may be of any desired configuration. It is adapted to be opened and closed by the head E of the slide F. This slide F with its head I make from a single piece of sheet metal of the desired shape, the body portion having parallel sides, so that it may be supported between guides. It fits snugly against the under side of the head and is supported by

the inturned flanges G. I preferably form these flanges by slitting the top longitudinally and then punching an opening there- through, with the flanges extending, place the slide in position and then bend back the flanges under the slide, as plainly shown in Fig. 2.

In order to form an operating device or shoulder for the slides, I form in the body portion thereof a crimp H, which may be formed by making a loop or bend in the metal and then closing the loop or bend so as to make a double shoulder or projection, extending at an angle to the face or body of the slide. This projection, as will be shown by Fig. 3, extends up above the top and forms a means for actuating the slide back and forth, and also a stop to limit the inward and outward movement thereof.

The construction described is simple and strong, forms a good closure, and is economical to manufacture.

What I claim as my invention is:

The combination with a sheet metal can top provided with a discharge opening at one end and an elongated guide opening near the other end having parallel side edges, of guide flanges projecting downwardly and inwardly from the sides of the guide opening, a slide having a head portion underlying the cover and adapted to open and close the discharge opening therein, and a portion supported upon the flanges at the guide opening with the edges of said portion in close proximity to the downwardly extending portions of said flanges, and a transverse fold in the portion of the slide lying within the guide opening, said fold extending entirely across the slide and projecting above the top through the guide opening to form an operating shoulder.

In testimony whereof I affix my signature in presence of two witnesses.

JERVIS R. HARBECK.

Witnesses:

JAMES WHITTEMORE,
ADELAIDE T. ADAMS.